

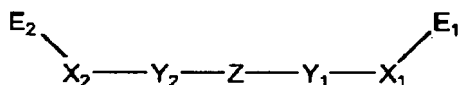
Application No. 10/758,869

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1. (Currently Amended) An organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(a) a charge transport material having the formula



where Y<sub>1</sub> and Y<sub>2</sub> comprise, each independently, a carbazolyl group;

X<sub>1</sub> and X<sub>2</sub>, each independently, have the formula  $\text{-(CH}_2\text{)}_m\text{-}$ , ~~branched or linear~~, where m is an integer between 0 and 20, inclusive, and one or more of the methylene groups is optionally replaced by O, S, N, C, B, P, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, an amide group, an NR<sub>3</sub> group, a CR<sub>4</sub>, or a CR<sub>5</sub>R<sub>6</sub> group where R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, and R<sub>6</sub> are, independently, ~~a bond~~, H, hydroxyl, thiol, carboxyl, an amino group, an alkyl group, an alkenyl group, a heterocyclic group, an aromatic group, or part of a ring;

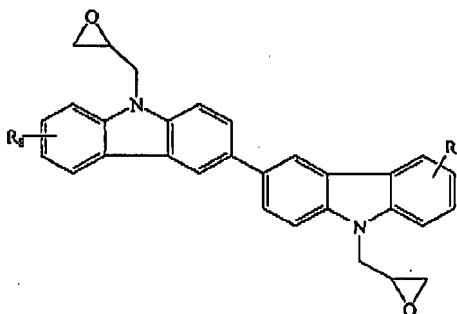
E<sub>1</sub> and E<sub>2</sub> comprise, each independently, an epoxy group; and

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Z is a linking group comprising a bond, a  $-(CR_5=CR_6)_n-$  group, a  $-CR_7=N-$  group, or an aromatic group, where  $R_5$ ,  $R_6$ , and  $R_7$  are, each independently, H, an alkyl group, an alkenyl group, a heterocyclic group, or an aromatic group, and  $n$  is an integer between 1 and 10, inclusive; and

(b) a charge generating compound.

2. (Original) An organophotoreceptor according to claim 1 wherein Z is a bond.
3. (Original) An organophotoreceptor according to claim 1 wherein  $X_1$  and  $X_2$  are, each independently, a methylene group.
4. (Original) An organophotoreceptor according to claim 1 wherein  $E_1$  and  $E_2$  are, each independently, an oxiranyl ring.
5. (Original) An organophotoreceptor according to claim 1 wherein the charge transport material is selected from the group consisting of the following formula:



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where  $R_8$  and  $R_9$  are, each independently, H, hydroxyl, thiol, carboxyl, -CHO, a keto group, an amino group, cyano, nitro, a halogen, an alkoxyl group, an alkyl group, an alkenyl group, an epoxy group, a thiranyl group, an aziridino group, a heterocyclic group, or an aromatic group.

6. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a second charge transport material.

7. (Original) An organophotoreceptor according to claim 6 wherein the second charge transport material comprises an electron transport compound.

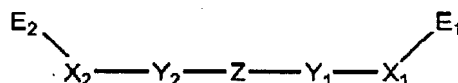
8. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a binder.

9. (Currently Amended) An electrophotographic imaging apparatus comprising:

(a) a light imaging component; and

(b) an organophotoreceptor oriented to receive light from the light imaging component, the organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(i) a charge transport material having the formula



where  $Y_1$  and  $Y_2$  comprise, each independently, a carbazoyl group;

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$X_1$  and  $X_2$ , each independently, have the formula  $-(CH_2)_m-$ , ~~branched or linear~~, where  $m$  is an integer between 0 and 20, inclusive, and one or more of the methylene groups is optionally replaced by O, S, N, ~~C~~, ~~B~~, ~~P~~, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, an amide group, an  $NR_3$  group, a  $CR_4$ , or a  $CR_5R_6$  group where  $R_3$ ,  $R_4$ ,  $R_5$ , and  $R_6$  are, independently, ~~a bond~~, H, hydroxyl, thiol, carboxyl, an amino group, an alkyl group, an alkenyl group, a heterocyclic group, an aromatic group, or part of a ring;

$E_1$  and  $E_2$  comprise, each independently, an epoxy group; and

$Z$  is a linking group comprising a bond, a  $-(CR_5=CR_6)_n-$  group, a  $-CR_7=N-$  group, or an aromatic group, where  $R_5$ ,  $R_6$ , and  $R_7$  are, each independently, H, an alkyl group, an alkenyl group, a heterocyclic group, or an aromatic group, and  $n$  is an integer between 1 and 10, inclusive; and

(ii) a charge generating compound.

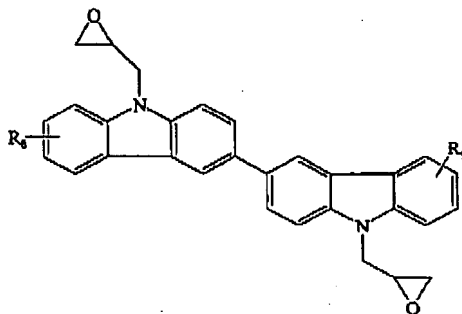
10. (Original) An electrophotographic imaging apparatus according to claim 9 wherein  $Z$  is a bond.

11. (Original) An electrophotographic imaging apparatus according to claim 9 wherein  $X_1$  and  $X_2$  are, each independently, a methylene group.

12. (Original) An electrophotographic imaging apparatus according to claim 9 wherein  $E_1$  and  $E_2$  are, each independently, an oxiranyl ring.

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13. (Original) An electrophotographic imaging apparatus according to claim 9 wherein the charge transport material is selected from the group consisting of the following formula:



where R<sub>8</sub> and R<sub>9</sub> are, each independently, H, hydroxyl, thiol, carboxyl, -CHO, a keto group, an amino group, cyano, nitro, a halogen, an alkoxyl group, an alkyl group, an alkenyl group, an epoxy group, a thiranyl group, an aziridino group, a heterocyclic group, or an aromatic group.

14. (Original) An electrophotographic imaging apparatus according to claim 9 wherein the photoconductive element further comprises a second charge transport material.

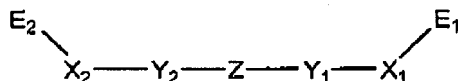
15. (Original) An electrophotographic imaging apparatus according to claim 14 wherein second charge transport material comprises an electron transport compound.

16. (Original) An electrophotographic imaging apparatus according to claim 9 further comprising a liquid toner dispenser.

17. - 25. (Cancelled).

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26. (Currently Amended) A charge transport material having the formula



where  $Y_1$  and  $Y_2$  comprise, each independently, a carbazolyl group, wherein the substituents on the carbazolyl group do not include heterocyclic groups;

$X_1$  and  $X_2$ , each independently, have the formula  $-(CH_2)_m-$ , ~~branched or linear~~, where  $m$  is an integer between 0 and 20, inclusive, and one or more of the methylene groups is optionally replaced by O, S, ~~N, C, B, P~~, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, an amide group, an  $NR_3$  group, a  $CR_4$ , or a  $CR_5R_6$  group where  $R_3$ ,  $R_4$ ,  $R_5$ , and  $R_6$  are, independently, ~~a bond~~, H, hydroxyl, thiol, carboxyl, an amino group, an alkyl group, an alkenyl group, a heterocyclic group, an aromatic group, or part of a ring;

$E_1$  and  $E_2$  comprise, each independently, an epoxy group; and

$Z$  is a linking group comprising a bond, a  $-(CR_5=CR_6)_n-$  group, a  $-CR_7=N-$  group, ~~or an aromatic group~~, where  $R_5$ ,  $R_6$ , and  $R_7$  are, each independently, H, an alkyl group, an alkenyl group, a heterocyclic group, or an aromatic group, and  $n$  is an integer between 1 and 10, inclusive.

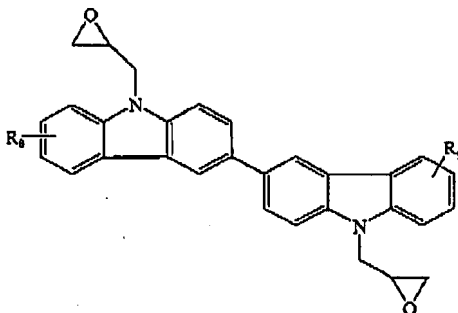
27. (Original) A charge transport material according to claim 26 wherein  $Z$  is a bond.

28. (Original) A charge transport material according to claim 26 wherein  $X_1$  and  $X_2$  are, each independently, a methylene group.

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29. (Original) A charge transport material according to claim 26 wherein E<sub>1</sub> and E<sub>2</sub> are, each independently, an oxiranyl ring.

30. (Original) A charge transport material according to claim 26 wherein the charge transport material is selected from the group consisting of the following formula:



where R<sub>8</sub> and R<sub>9</sub> are, each independently, H, hydroxyl, thiol, carboxyl, -CHO, a keto group, an amino group, cyano, nitro, a halogen, an alkoxyl group, an alkyl group, an alkenyl group, an epoxy group, a thiiranyl group, an aziridino group, a ~~heterocyclic~~ group, or an aromatic group.

31. - 41. (Cancelled).